

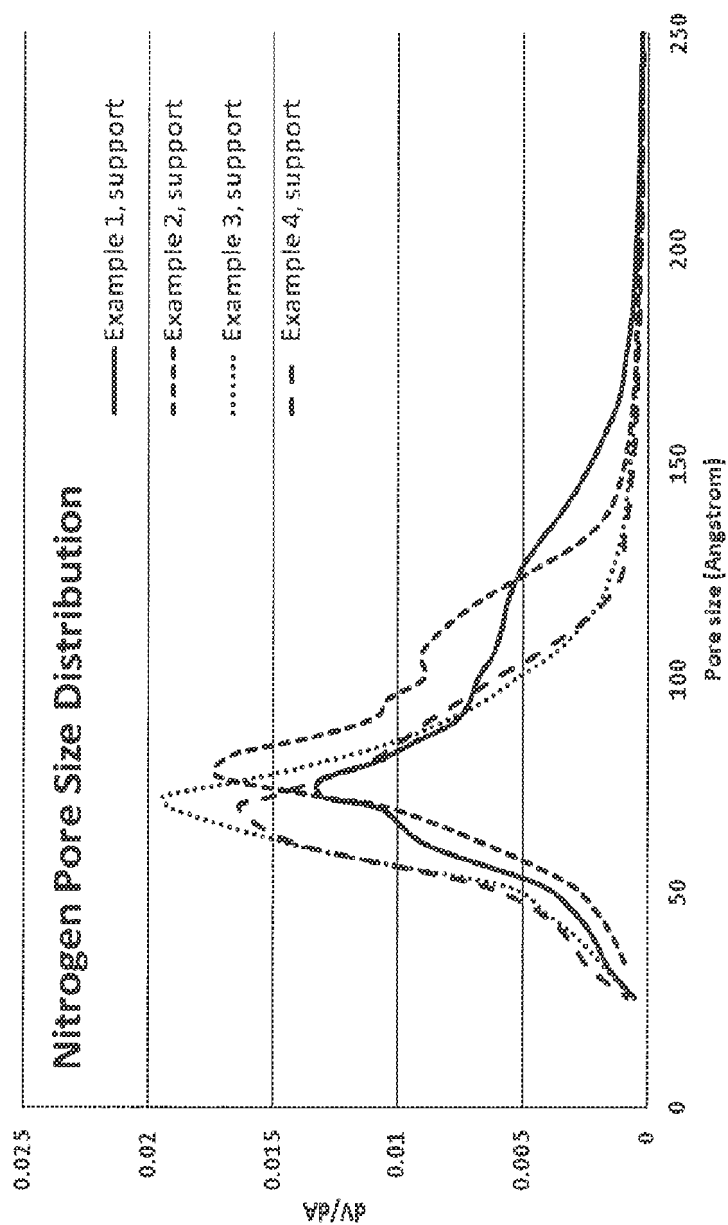


Figure 1. Nitrogen pore size distribution of Examples 1 – 4.

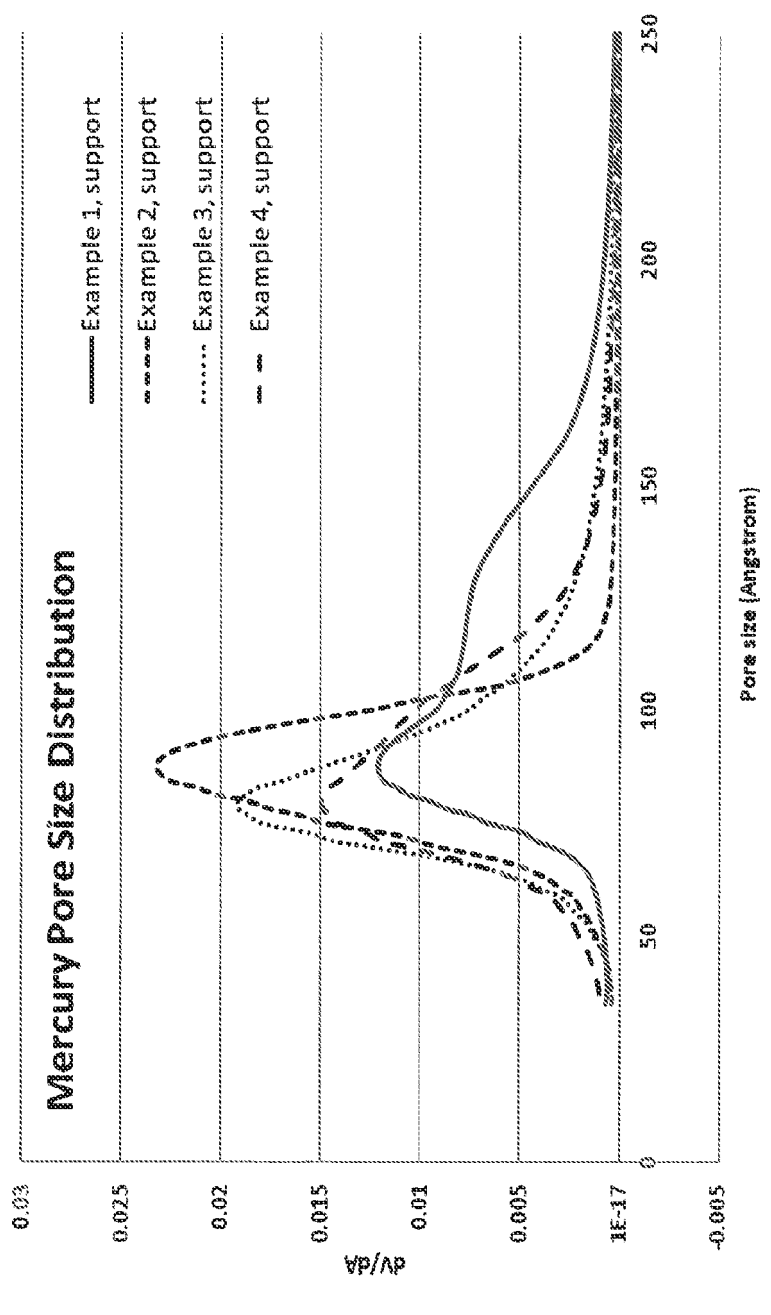


Figure 2. Mercury pore size distribution of Examples 1 – 4.

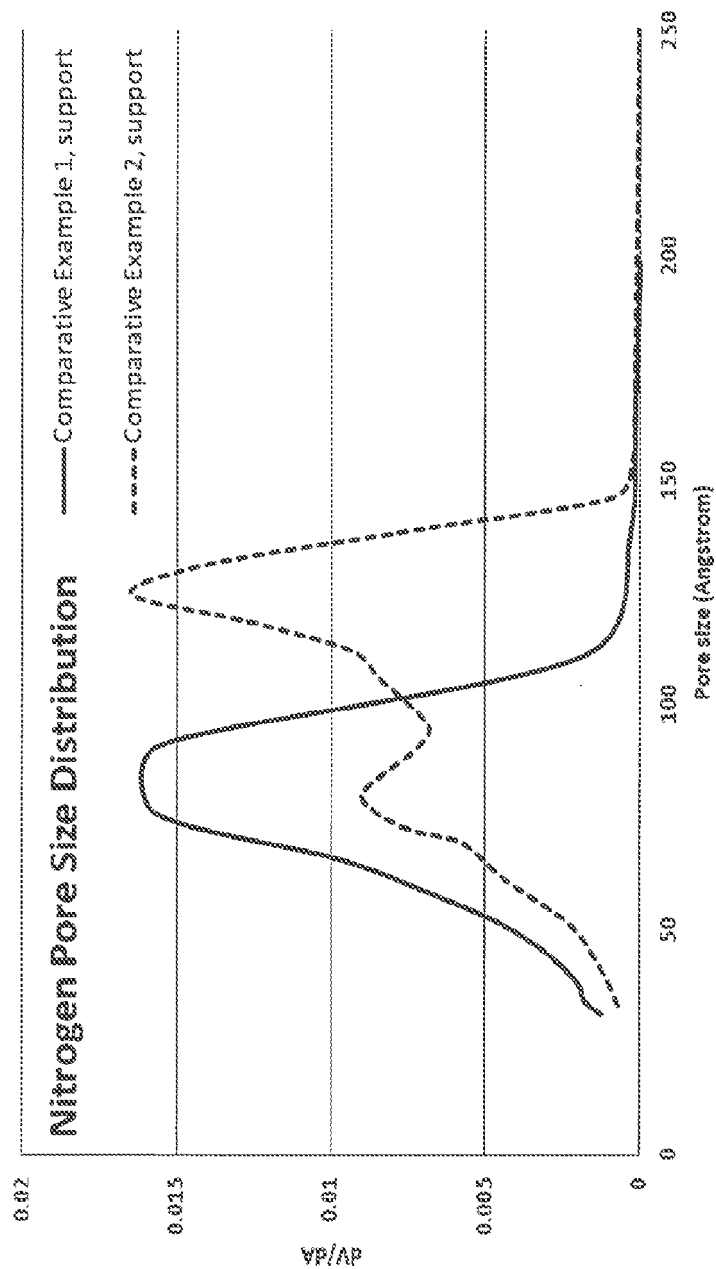


Figure 3. Nitrogen pore size distribution of Comparative Examples 1 – 2.

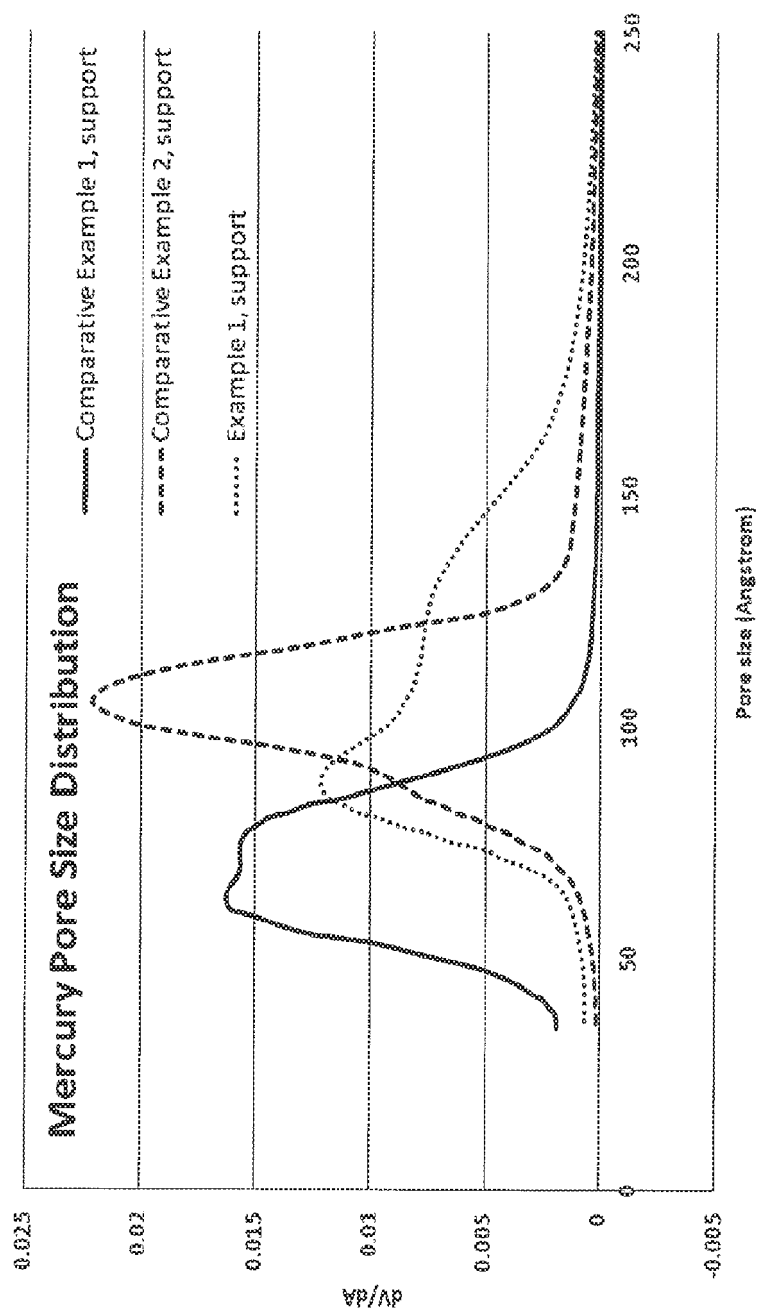


Figure 4. Mercury pore size distributions of Comparative Examples 1 – 2, and their comparison with Example 1.

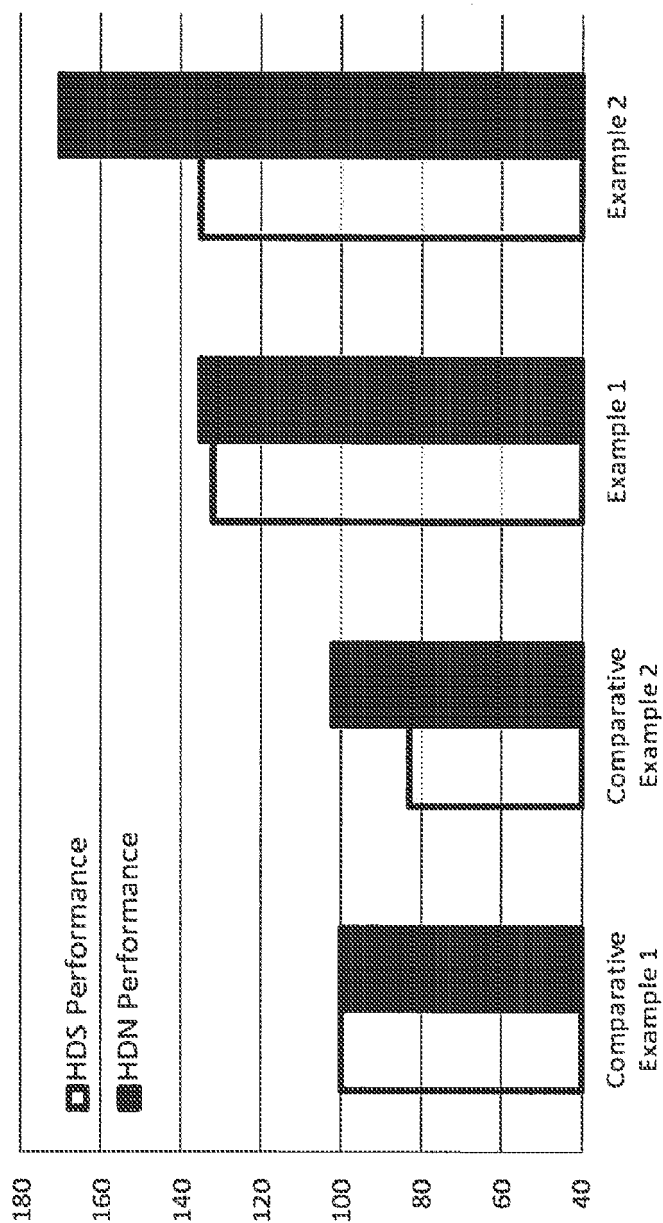


Figure 5. Hydrodesulfurization and hydrodenitrogenation activity of Comparative Example 1, catalysts prepared from base with treatment of additives (Examples 1 and 2), and catalyst from base without chemical reagent treatment (Comparative Example 2) for ULSD applications.

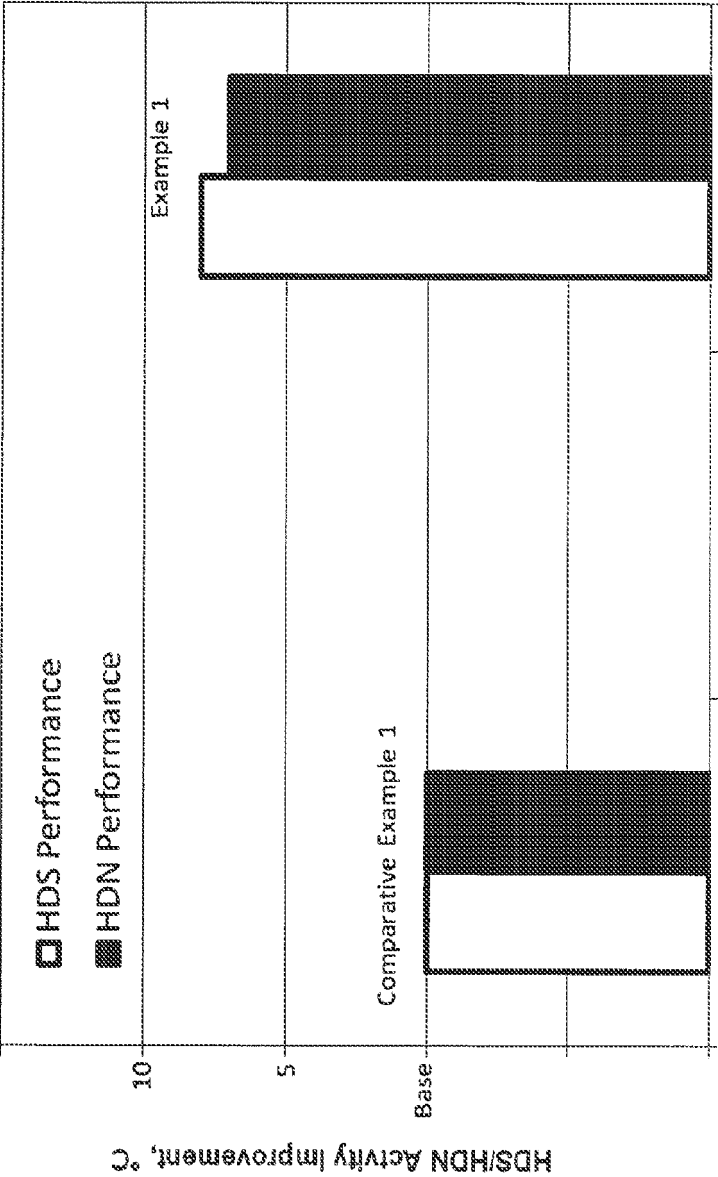


Figure 6. Hydrodesulfurization and hydrodenitrogenation activity of Comparative Example 1 and Example 1 for VGO hydrocracker pretreat applications.